

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1033	polyaniline.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:37
L2	387	polythiophene.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:40
L3	3584	((sulfo\$3 near2 acid) or sulfoacid or amide or amido) and (thiophene or aniline or pyrrole)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:41
L4	106	((sulfo\$3 near2 acid) or sulfoacid or amide or amido) and (thiophene or aniline or pyrrole)).clm. and 252/500.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:43
L5	4	((sulfo\$3 near2 acid) or sulfoacid or amide or amido) and (thiophene or aniline or pyrrole)).clm. and 252/511.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:48
L6	18	((sulfo\$3 near2 acid) or sulfoacid or amide or amido) and (thiophene or aniline or pyrrole)).clm. and 528/423.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:52
L7	60	((sulfo\$3 near2 acid) or sulfoacid or amide or amido) and (thiophene or aniline or pyrrole)).clm. and 528/422.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 14:41
L8	17	((sulfo\$3 near2 acid) or sulfoacid or amide or amido) and (thiophene or aniline or pyrrole)).clm. and 528/377.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 14:43
S1	0	thiophene and fluoroethanesulfonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 13:36

## EAST Search History

S2	30	thiophene and \$10fluoroethanesulfonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/27 17:14
S3	63	hsu-che-hsiung.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:39
S4	58	harmer-mark-andrew.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:48
S5	2	junk-christopher-p.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/27 18:23
S6	30	thiophene and \$30fluoroethanesulfonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/27 17:14
S7	4	"buffer layer" and (fluorinated near6 organic near6 acid) and thiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/27 18:26
S8	44	(fluorinated near6 organic near6 acid) and thiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:29
S9	2	10/372351.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:37
S10	1	10/374875.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:39
S11	0	10/374875.app. and fluorin\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:39

## EAST Search History

S12	0	10/374875.app. and fluorin\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:39
S13	0	"08278165".app. and fluorin\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:45
S14	1	"08/278165".app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 10:45
S15	27	thiophene and (fluro\$10 near10 surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 12:09
S16	696	thiophene and (fluor\$5 near10 surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 12:10
S17	25	thiophene and (fluor\$5 near10 surfactant) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 12:40
S18	18	fluoroether and thiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 18:51
S19	127	fluoro\$10sulfonic and thiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 13:37
S20	11	fluoro\$10sulfonic and thiophene and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 13:43
S21	31	fluoro\$10sulfonic and thiophene and (dopant or doped or doping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 17:16

## EAST Search History

S22	3206	252/500.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 17:01
S23	30	thiophene and (fluoro\$6 near6 (dopant or doped or doping))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 18:15
S24	31	"5185102"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 18:15
S25	2	"5185102".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 18:15
S26	7149	alkoxylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 18:51
S27	25	fluoro near6 alkoxylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/28 18:51
S28	879	(fluoro with sulfonic) and (thiophene or pyrrole or aniline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 14:42
S29	15	(fluoro with sulfonic) and (thiophene or pyrrole or aniline) and 252/500. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 13:32
S30	16	amido with fluoro with sulfonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 14:52
S31	17645	(organic near2 acid\$2) and thiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 14:52

## EAST Search History

S32	282	(organic near2 acid\$2) with thiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 14:55
S33	12	(organic near2 acid\$2) with thiophene and 252/500.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 15:42
S34	1240	(polyaniline or polythiophene or polypyrrole) and ((dopant or acid) with (fluorin\$4 or fluoro\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 15:43
S35	208	(polyaniline or polythiophene or polypyrrole) and ((dopant or acid) with (fluorin\$4 or fluoro\$5)) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 18:04
S36	90	(fluoroether near4 acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 18:05
S37	2	(fluoroether near4 acid) and polythiophene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/31 18:04
S38	1	10/823320.app.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 12:37
S39	1	10/823320.app. and (sam\$1 near4 different)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 13:16
S40	2	fluoroamido.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 13:24
S41	251	fluoroether.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 14:10

## EAST Search History

S42	0	fluoroether.clm. and dupont.an.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 13:25
S43	41	fluoroether.clm. and dupont	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 13:26
S44	41	fluoroether.clm. and (dupont or du\$1pont)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 13:26
S45	2273	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 with (fluoro or ether or amido))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 14:34
S46	372	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 with (fluoro or ether or amido)) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 14:15
S47	208	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 near4 (fluoro or ether or amido)) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 19:29
S48	1603	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 14:17
S49	208	S48 and (acid\$1 near4 (fluoro or ether or amido))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 18:52
S50	57	S48 and (acid\$1 with (fluorin\$5 near4 acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 18:52

## EAST Search History

S51	57	S48 and (fluorin\$5 near4 acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 18:52
S52	55	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 near4 (fluoro or ether or amido)) and "524"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 19:39
S53	54	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 near4 (fluoro or ether or amido)) and "525"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 19:40
S54	373	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and "525"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 19:40
S55	54	S54 and (acid\$1 near4 (fluoro or ether or amido))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 19:40
S56	54	S54 and (acid\$1 near4 (fluoro or ether or amido))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/05 19:41
S57	2	("5233000").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/11/06 13:05
S58	4965	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 with (dope or dopant or oxid\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 14:35
S59	705	(ppy or pedot or pani or polyaniline or dioxythiophene or polypyrrole) and (conductive or conductivity or electroconduct\$ or electroactive) and (acid\$1 with (dope or dopant or oxid\$5)) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 14:49

## EAST Search History

S60	0	"7014794".uref.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 14:49
S61	5	"6235220".uref.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 15:08
S62	89397	((fluor\$6 or perfluor\$6) near4 acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 15:08
S63	2986	((fluor\$6 or perfluor\$6) near4 acid) and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 15:09
S64	511	((fluor\$6 or perfluor\$6) near4 acid) and "252"/\$.ccls. and (ppy or pedot or pani or polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 15:13
S65	7259	"252"/\$.ccls. and (ppy or pedot or pani or polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:14
S66	511	((fluor\$6 or perfluor\$6) near4 acid) and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 15:15
S67	511	((fluor\$6 or perfluor\$6) near4 acid) and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 17:06
S68	30	han-chien-chung.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 17:00
S69	1895	((sulfo\$4) near4 acid) and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 17:09



## EAST Search History

S70	152	((sulfo\$4) near4 acid) near4 (solvent or dopant)) and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 17:09
S71	3018	((amide or amido) and (ppy or pedot or pani or polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:15
S72	3014	((amide or amido) and (polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:16
S73	149	((amide or amido) and (polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)). clm. and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:17
S74	149	((amide or amido) and (polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)). clm. and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 10:59
S75	92	((amide or amido) and (polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)). clm. and "524"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:39
S76	124	((amide or amido) and (polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)). clm. and "525"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:44
S77	6	fluoroamido or fluoroamidoether	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/06 18:45
S78	22	((acid near2 dopant) and (polyaniline or dioxothiophene or polypyrrole or thiophene or aniline or pyrrole)).clm. and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/11/07 11:00

10/823320

=> DIS HIST

(FILE 'HOME' ENTERED AT 10:30:26 ON 07 NOV 2007)

FILE 'REGISTRY' ENTERED AT 10:30:41 ON 07 NOV 2007

E POLYANILINE/CN

L1 1 S E3

E POLYTHIOPHENE/CN

L2 1 S E3

E POLYPYRROLE/CN

L3 1 S E3

FILE 'CAPLUS' ENTERED AT 10:31:11 ON 07 NOV 2007

L4 169 S SULFOACID

L5 0 S L4 AND (L1 OR L2 OR L3)

L6 0 S L4 AND L1

L7 0 S L4 AND L2

L8 0 S L4 AND L3

L9 9440 S CONDUCTIVE (W) POLYMER

L10 0 S L9 AND L4

L11 596 S ELECTROCONDUCTIVE (W) POLYMER

L12 0 S L11 AND L4

L13 1247 S ELECTROACTIVE (W) POLYMER

L14 0 S L13 AND L4

L15 0 S ARNAUTOV/AU

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